

Title (en)
OUTER DOOR HANDLE, ESPECIALLY FOR VEHICLES

Title (de)
TÜRAUSSENGRIFF, INSBESONDERE FÜR FAHRZEUGE

Title (fr)
POIGNEE EXTERIEURE DE PORTE, NOTAMMENT POUR VEHICULES

Publication
EP 1187962 B2 20140514 (DE)

Application
EP 00945796 A 20000621

Priority

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- EP 0005734 W 20000621

Abstract (en)
[origin: US6648382B1] An outer door handle for vehicles has a stationary housing in the vehicle door. The handle has a handle arm and acts on a lock arranged within the door. A pivotable latching member serves as a mass latching mechanism and makes the handle actuatable in a release position. Because of its inertia in a crash situation, the latching member reaches an active support position and blocks the handle. The pivot bearing for the latching member is located on the stationary housing. The movable handle arm has a shoulder. A counter shoulder is provided on the latching member. The folding movement path of the shoulder on the handle arm is intersected by the pivot movement path of the counter shoulder. In a crash situation the shoulder comes to rest against the counter shoulder. In the release position, the shoulder passes the counter shoulder upon handle actuation.

IPC 8 full level
E05B 77/06 (2014.01); **E05B 85/10** (2014.01); **B60J 5/04** (2006.01); **E05B 1/00** (2006.01); **E05B 65/12** (2006.01); **E05B 85/18** (2014.01)

CPC (source: EP KR US)
E05B 77/06 (2013.01 - EP US); **E05B 85/10** (2013.01 - KR); **E05B 85/18** (2013.01 - EP US); **Y10S 292/12** (2013.01 - EP US); **Y10S 292/22** (2013.01 - EP US); **Y10S 292/65** (2013.01 - EP US); **Y10T 292/57** (2015.04 - EP US)

Citation (opposition)
Opponent :

- EP 1050640 A2 20001108 - VALEO SICUREZZA ABITACOLO [IT]
- EP 1109980 A1 20010627 - VALEO GMBH & CO SCHLIESSYST KG [DE]
- WO 0043617 A2 20000727 - VALEO GMBH & CO SCHLIESSYST KG [DE], et al
- EP 1052355 A2 20001115 - VALEO SICUREZZA ABITACOLO SPA [IT]
- EP 0684357 A2 19951129 - YMOS AG IND PRODUKTE [DE]
- FR 2091627 A5 19720114 - DAIMLER BENZ AG
- EP 0795667 A2 19970917 - VALEO DEUTSCHLAND GMBH & CO [DE]

Cited by
DE102006031226B4; EP1607555A3; DE102008009074A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
US 6648382 B1 20031118; AT E288009 T1 20050215; AU 5976700 A 20010131; AU 760727 B2 20030522; BR 0011936 A 20020319; BR 0011936 B1 20090113; CN 1289778 C 20061213; CN 1358252 A 20020710; DE 19929022 A1 20010118; DE 19929022 C2 20010607; DE 50009366 D1 20050303; EP 1187962 A1 20020320; EP 1187962 B1 20050126; EP 1187962 B2 20140514; ES 2232468 T3 20050601; ES 2232468 T5 20140902; JP 2003503612 A 20030128; JP 4721127 B2 20110713; KR 100485014 B1 20050425; KR 20020026197 A 20020406; WO 0100953 A1 20010104

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